IN THE CLAIMS

1-14. (Canceled)

15. (New) A replication system for generating a replica table from a plurality of master tables by joining the plurality of master tables according to a data operation of insertion, update and deletion to the plurality of master tables, comprising:

matching means, responsive to an input request of the data operation to said plurality of master tables, for matching join keys of particular records to be subjected to the data operation within said plurality of master tables ; and

means, responsive to an output of said matching means, for joining particular records of the matched join keys as objects to be joined to change a corresponding record of the replica table, said plurality of master tables generating said replica table.

16. (New) A replication system according to claim 15, wherein said master table is a table associated with a relational database or a hierarchic database.

17. (New) A replication system according to claim 15, wherein at data insertion or data deletion of all said master tables or at data insertion or data deletion of either one of said master tables, particular timing is selected from a plurality of timings to conduct a predetermined replication to thereby conduct the replication.

18. (New) A replication system according to claim 17, wherein for a master table in which data has not been inserted, particular data indicating absence of data is set in place of absent data of the master table to thereby conduct a replication.

19. (New) A replication program for use in a system in which a plurality of database servers are connected to a computer, said replication program implementing the operation of replication by the computer comprising the steps:

controlling a replication control table;

acquiring master table operation information stored in said database servers;

extracting a joining key contained in the master table operation information and data associated with the

joining key;

updating replication control information contained in the replication control table according to the joining key and the data associated with the joining key; and

operating a replica table according to the replication control information.

20. (New) A replication program according to claim 19, wherein said replica table is operated further according to timing information to conduct a replication contained in the replication control table.

21. (New) A replication program according to claim 19, wherein said replication control table includes a master table name, a replica table name, a joining key definition to specify a column name of a master table as a key to join data of tables with each other, and a replication timing definition to specify timing to conduct a replication.

22. (New) A replication program according to claim 20 wherein said timing information to conduct a replication indicates that for data having a same joining key in a plurality of master tables, when insertion is conducted in all

said master tables, data corresponding to the data is inserted in the replica table.

23. (New) A replication program according to claim 20 wherein said timing information to conduct a replication indicates that among a plurality of master tables, a primary table is determined, and when data insertion is conducted for the primary table, data corresponding to the data is inserted in the replica table.

24. (New) A replication program according to claim 20, wherein said timing information to conduct a replication indicates that when data insertion is conducted for either one of a plurality of master tables, data corresponding to the data is inserted in the replica table.

25. (New) A replication program according to claim 20, wherein said timing information to conduct a replication indicates that for data having a same joining key in a plurality of master tables, when deletion is conducted in all said master tables, data corresponding to the data is deleted from the replica table.

26. (New) A replication program according to claim 20, wherein said timing information to conduct a replication indicates that among a plurality of master tables, a primary table is determined, and when data deletion is conducted for the primary table, data corresponding to the data is deleted from the replica table.

27. (New) A replication program according to claim 20, wherein said timing information to conduct a replication indicates that when either one of data having a same joining key stored in a plurality of master tables is deleted, a data section of the replica table corresponding to the deleted data is replaced with a predetermined insufficient data setting value, and

when all data having a same joining key stored in a plurality of master tables is deleted, data deletion is conducted for the replica table in association with data having the same joining key.

28. (New) A replication program according to claim 20, wherein said timing information to conduct a replication indicates that when either one of data having a same joining key stored in a plurality of master tables is deleted, data

deletion is conducted for the replica table in association with data having the same joining key.